

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Spring 2013 Levee Inspection Results****Reclamation District No. 2095 Paradise Cut**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2013 Levee Inspection Results**

**Reclamation District No. 2095 Paradise Cut**

Waterway			Bank	Unit Miles
Unit No. 01 Paradise Cut			Left	1.45
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2013 - 04/09/2013			
DWR Inspector	Maksim Khashchuk			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut				Left	1.45	04/09/2013 04/09/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1				Operations & Maintenance Manuals	LS	A				14
						Ma				
DWR ID: DWR_RD2095_01_s_2013_14										
2				Flood Preparedness & Training	LS	A				17
						Ma				
DWR ID: DWR_RD2095_01_s_2013_17										
3				Emergency Supplies & Equipment	LS	A				19
						Ma				
DWR ID: DWR_RD2095_01_s_2013_19										
4	0.05	0.11		Vegetation	WS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.770603 ° -121.326539 °	37.770226 ° -121.325695 °	6
						Ma				
DWR ID: DWR_RD2095_01_s_2013_6										
5	0.05	0.11		Vegetation	LS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.770604 ° -121.326538 °	37.770187 ° -121.325666 °	4
						Ma				Y
DWR ID: DWR_RD2095_01_s_2013_4										
6	0.07	0.07		Encroachments	WSA/W	PI : Pipe		37.770572 ° -121.326283 °	37.770572 ° -121.326283 °	3
						En				Y
DWR ID: DWR_RD2095_01_s_2013_3										
7	0.15	0.15		Slope Stability	WS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.769977 ° -121.325012 °	37.769977 ° -121.325012 °	32
						Ma				Y
DWR ID: DWR_RD2095_01_s_2012_32										
8	0.19	0.19		Vegetation	WS	M	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove pile of tumbleweeds from levee toe.	37.769643 ° -121.324363 °	37.769643 ° -121.324363 °	7
						Ma				
DWR ID: DWR_RD2095_01_f_2012_7										
9	0.31	0.31		Slope Stability	WS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.768344 ° -121.323114 °	37.768344 ° -121.323114 °	12
						Ma				Y
DWR ID: DWR_RD2095_01_s_2013_12										
10	0.35	0.35		Encroachments	CRA/W	PI : Pipe	Inspector Comments: No closure devices or flap gate on discharge pipe. Pipe penetrates freeboard of levee.	37.767822 ° -121.322835 °	37.767822 ° -121.322835 °	5
						En				Y
DWR ID: DWR_RD2095_01_s_2012_5										
11	0.35	0.35		Encroachments	WS	C	PR : Prunings Inspector Comments: Remove fallen branches from slope.	37.767615 ° -121.322817 °	37.767615 ° -121.322817 °	8
						Ma				
DWR ID: DWR_RD2095_01_f_2012_8										
12	0.42	0.42		Slope Stability	WS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.766917 ° -121.322267 °	37.766917 ° -121.322267 °	13
						Ma				Y
DWR ID: DWR_RD2095_01_s_2013_13										
13	0.70	0.70		Encroachments	WSA/W	PI : Pipe	Inspector Comments: Irrigation intake penetrates levee freeboard. No positive closure device present.	37.763780 ° -121.319147 °	37.763780 ° -121.319147 °	10
						En				
DWR ID: DWR_RD2095_01_s_2012_10										

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	En : Enforcement
	N : Not Inspected/Rated	
	C : Corrected	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	04/09/2013 04/09/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

14	0.70	0.70	Encroachments	LS	M	BU : Building Inspector Comments: Pump house near RR.	37.763630 ° -121.319045 °	37.763630 ° -121.319045 °	11	
							DWR ID: DWR_RD2095_01_s_2012_11			

15	0.73	0.74	Supplemental DWR Erosion Survey	WS	M	Inspector Comments: 07/18/2012: No significant changes observed on site. 09/02/2011: No significant changes observed on site. 09/22/2010: No significant changes observed on site. There is now considerable vegetation at the water line and along the lower berm slope. However, the erosion on the lower berm slope is still present and has not been corrected. 08/06/2010: Recommended for local maintenance issue, per CLRO. 07/29/2009: No major change since last visit; noticeable vegetation growth; erosion is on berm, but if left untreated, it will eventually erode into levee prism; site is recommended for annual assessment and monitoring of site, per CLRO CES 2008 Report; Site # is the same as RM6.80,LM0.73; previously rated "U". 07/22/2008: Downstream of WPRR near siphon pipe & pump; sandy levee; visited by Jeff Van Gilder and LRO in 2008 for repair assessment; scouring downstream of RxR crossing, possibly caused by eddy effects. 03/13/2007: Site visited on 03/13/2007. [2012 Site ID:RD2095U01RM6.74]	37.763630 ° -121.319000 °	37.763630 ° -121.319000 °	1 Y	
							DWR ID: DWR_RD2095_01_s_2013_1			

16	0.86	0.86	Supplemental DWR Erosion Survey	WS	U	Inspector Comments: 07/18/2012: No significant changes observed. 09/02/2011: No significant changes observed. 09/22/2010: No significant changes observed. Sloughing of the existing rip rap possibly due to a combination of steep slope and undesirable flood conditions. 08/06/2010: Recommended as local maintenance issue, per CLRO. 07/29/2009: No major change observed since last visit; near-vertical slope that has rip rap sloughing; site is recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM6.90,LM0.86; previously rated "U". 07/22/2008: Previous erosion site that is partially protected with concrete rubble; erosion scarp is adjacent to the sloughing rip rap. 03/13/2007: Site visited on 03/13/2007. [2012 Site ID:RD2095U01RM6.88]	37.761960 ° -121.318140 °	37.761960 ° -121.318140 °	2 Y	
							DWR ID: DWR_RD2095_01_s_2013_2			

17	0.87	0.87	Encroachments	LS A/W	PI	PI : Pipe Inspector Comments: Large pump platform for drainage into San Joaquin River. Three pumps. No positive closure devices. Pipe penetrates levee freeboard. No flap gate at outlet.	37.761472 ° -121.317840 °	37.761472 ° -121.317840 °	15 Y	
							DWR ID: DWR_RD2095_01_s_2012_15			

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut				Left	1.45	04/09/2013 04/09/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
18	0.88	0.88	Encroachments	WSA/W	PI : Pipe			37.761337 °	37.761337 °	16
				En			Inspector Comments: Gravity drain through base of levee. Positive closure on waterside hinge point. Flap gate obstructed by debris has been cleared.	-121.318047 °	-121.318047 °	Y
DWR ID: DWR_RD2095_01_s_2012_16										
19	0.92	0.92	Encroachments	LS A/W	PI : Pipe			37.760792 °	37.760792 °	18
				En			Inspector Comments: Pipe on south is connected with siphon breaker at hinge point.	-121.317705 °	-121.317705 °	Y
DWR ID: DWR_RD2095_01_s_2012_18										
20	1.00	1.00	Trim / Thin Trees	CR C	T4 : Trim trees over roadway to at least 12 feet above ground level.			37.760543 °	37.760543 °	9
				Ma				-121.316150 °	-121.316150 °	
DWR ID: DWR_RD2095_01_f_2012_9										
21	1.17	1.17	Slope Stability	LS M	S1 : Repair slope instability.			37.759657 °	37.759657 °	33
				Ma				-121.313380 °	-121.313380 °	Y
DWR ID: DWR_RD2095_01_s_2012_33										

**\* Location**

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	04/09/2013 04/09/2013	Maksim Khashchuk

Levee Mile Report Line	5
Start Levee Mile	0.05
End Levee Mile	0.11
Location	Land Side
Category	
Item	Vegetation

View of the vegetation on landside levee slope.

mkhashch\_s\_20130410\_722.JPG



Levee Mile Report Line	6
Start Levee Mile	0.07
End Levee Mile	0.07
Location	Water Side
Category	
Item	Encroachments

View of the pipe at waterside levee hinge.

mkhashch\_s\_20130410\_721.JPG



Levee Mile Report Line	7
Start Levee Mile	0.15
End Levee Mile	0.15
Location	Water Side
Category	
Item	Slope Stability

View of vehicle ruts eroding waterside slope.  
05/18/2012

mkhashch\_s\_20130225\_578.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	04/09/2013 04/09/2013	Maksim Khashchuk

Levee Mile Report Line	9
Start Levee Mile	0.31
End Levee Mile	0.31
Location	Water Side
Category	
Item	Slope Stability

View of the vehicle tracks on waterside levee slope.

mkhashch\_s\_20130410\_723.JPG



Levee Mile Report Line	10
Start Levee Mile	0.35
End Levee Mile	0.35
Location	Crown
Category	
Item	Encroachments

View of the pipe penetrating waterside levee slope.

mkhashch\_s\_20130410\_724.JPG



Levee Mile Report Line	12
Start Levee Mile	0.42
End Levee Mile	0.42
Location	Water Side
Category	
Item	Slope Stability

View of the vehicle ruts on waterside levee slope.

mkhashch\_s\_20130410\_725.JPG



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Ma : Maintenance Deficiency  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	04/09/2013 04/09/2013	Maksim Khashchuk

Levee Mile Report Line	15
Start Levee Mile	0.73
End Levee Mile	0.74
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the erosion at the downstream of RR bridge.

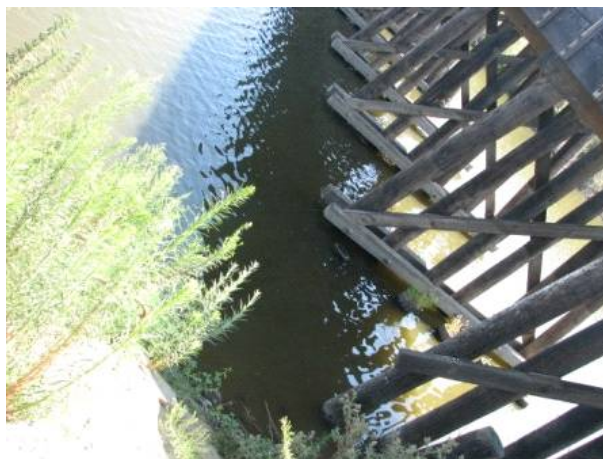
mkhashch\_s\_20130225\_568.jpg



Levee Mile Report Line	15
Start Levee Mile	0.73
End Levee Mile	0.74
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

looking up at the erosion from the lower levee slope

mkhashch\_s\_20130225\_569.jpg



Levee Mile Report Line	16
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the site

mkhashch\_s\_20130225\_570.jpg



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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	04/09/2013 04/09/2013	Maksim Khashchuk

Levee Mile Report Line	16
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the site

mkhashch\_s\_20130225\_571.jpg



Levee Mile Report Line	16
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the site

mkhashch\_s\_20130225\_572.jpg



Levee Mile Report Line	17
Start Levee Mile	0.87
End Levee Mile	0.87
Location	Land Side
Category	
Item	Encroachments

View of the pumps on landside.

mkhashch\_s\_20130225\_574.JPG



**\* Location**

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WS : Water Side  
CR : Crown

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	04/09/2013 04/09/2013	Maksim Khashchuk

Levee Mile Report Line	18
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Water Side
Category	
Item	Encroachments

Gravity drainage outlet flapgate blocked by debris.

mkhashch\_s\_20130225\_575.jpg



Levee Mile Report Line	18
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Water Side
Category	
Item	Encroachments

Gravity drain inlet.

mkhashch\_s\_20130225\_576.jpg



Levee Mile Report Line	19
Start Levee Mile	0.92
End Levee Mile	0.92
Location	Land Side
Category	
Item	Encroachments

11/01/2011 Siphon breaker at hinge point on waterside.

mkhashch\_s\_20130225\_577.jpg



**\* Location**

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CR : Crown

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C : Corrected  
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**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	04/09/2013 04/09/2013	Maksim Khashchuk

Levee Mile Report Line	21
Start Levee Mile	1.17
End Levee Mile	1.17
Location	Land Side
Category	
Item	Slope Stability

View of erosion site on landside slope. 05/18/2012

mkhashch\_s\_20130225\_579.jpg



**\* Location**

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WS : Water Side  
CR : Crown

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
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En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2013 Levee Inspection Results**

**Reclamation District No. 2095 Paradise Cut**

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River			Left	3.38
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2013 - 04/09/2013			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Bob Pombo RD2095			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River				Left	3.38	04/09/2013 04/09/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location * + Rating + Ma	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
1	0.03	0.03		Slope Stability	WS Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.758986 ° -121.307854 °	37.758986 ° -121.307854 °	9 Y
DWR ID: DWR_RD2095_02_s_2013_9									
2	0.18	0.18		Slope Stability	WS Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.757322 ° -121.306291 °	37.757322 ° -121.306291 °	10 Y
DWR ID: DWR_RD2095_02_s_2013_10									
3	0.36	0.85		Encroachments	LS En	DT : Ditch	37.754952 ° -121.305880 °	37.749645 ° -121.301977 °	5 Y
DWR ID: DWR_RD2095_02_f_2012_5									
4	0.44	0.77		Crown Surface / Depressions / Rutting	CR Ma	C2 : Repair depressions or ruts in the crown or slope.	37.753980 ° -121.305600 °	37.749613 ° -121.302967 °	7
DWR ID: DWR_RD2095_02_f_2012_7									
5	0.62	0.62		Vegetation	LS Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.751668 ° -121.304302 °	37.751668 ° -121.304302 °	6 Y
DWR ID: DWR_RD2095_02_s_2012_6									
6	0.76	0.76		Encroachments	WSA/W En	PI : Pipe Inspector Comments: Two pipes penetrate levee freeboard. Siphon breakers present.	37.749710 ° -121.303263 °	37.749710 ° -121.303263 °	11
DWR ID: DWR_RD2095_02_s_2012_11									
7	0.77	0.77		Encroachments	WSA/W En	PI : Pipe Inspector Comments: Intake pump and pipe.	37.749781 ° -121.302991 °	37.749781 ° -121.302991 °	13
DWR ID: DWR_RD2095_02_s_2012_13									
8	0.98	0.98		Vegetation	WS Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.749737 ° -121.300002 °	37.749737 ° -121.300002 °	940
DWR ID: DWR_RD2095_02_s_2012_940									
9	1.01	1.01		Vegetation	WS Ma	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Dense bush within 20' of crown on waterside slope.	37.749650 ° -121.299362 °	37.749650 ° -121.299362 °	941 Y
DWR ID: DWR_RD2095_02_s_2012_941									
10	1.09	1.09		Trim / Thin Trees	LS Ma	T5 : Tree stumps. Inspector Comments: 4 stumps	37.748254 ° -121.298993 °	37.748254 ° -121.298993 °	3
DWR ID: DWR_RD2095_02_s_2012_3									
11	1.31	1.31		Trim / Thin Trees	LS Ma	T5 : Tree stumps. Inspector Comments: Two tree stumps.	37.745343 ° -121.297620 °	37.745343 ° -121.297620 °	8
DWR ID: DWR_RD2095_02_f_2012_8									
12	1.54	1.54		Vegetation	WS Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.742828 ° -121.297532 °	37.742828 ° -121.297532 °	12
DWR ID: DWR_RD2095_02_s_2012_12									
13	1.67	1.67		Encroachments	CRA/W En	PI : Pipe Inspector Comments: Discharge pipe into San Joaquin River. Anti-siphon valve present. Pipe penetrates levee freeboard. Fill and compact erosion site.	37.741140 ° -121.296328 °	37.741140 ° -121.296328 °	15 Y
DWR ID: DWR_RD2095_02_s_2012_15									

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	04/09/2013 04/09/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

14	1.77	1.80	Supplemental	DWR Erosion Survey	WS	M Ma	Inspector Comments: 09/13/2012: The site has been visited by land survey. The vegetation on the site shows the erosion has not developed significantly from the last survey. The site was not visited by boat survey due to the limitation of navigatable waterway. 08/23/2011: No significant changes observed on the site. 9/22/2010: No significant changes observed on site. There is moderate vegetation growth on the berm. Despite the erosion occurring on the berm, corrective action should be taken before the issue becomes severe. 9/29/2009: Site is immediately downstream of a section of existing rip rap; there is a 20-foot berm remaining; berm will continue to erode unless erosion is mitigated; Site# is the same as RM62.6, LM1.87; recommended for annual assessment, per CES Evaluation 2008 Report 2006: Visited 10/20/06 [2012 Site ID:RD2095U02RM60.62]	37.740196 ° -121.297662 °	37.740196 ° -121.297662 °	1 Y
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DWR ID: DWR\_RD2095\_02\_s\_2013\_1

15	1.85	1.89	Supplemental	DWR Erosion Survey	WS	M Ma	Inspector Comments: 09/13/2012: The site has been visited by land survey. The erosion is not visible from the levee slope because of dense vegetation at the site. Levee slope is protected by placed rocks. The site was not visited by boat survey due to the limitation of navigatable waterway. 08/23/2011: Dense vegetation makes it difficult to view the possible erosion. No new development was observed on site. 09/23/2010: At the time of the inspection, the erosion site was difficult to view from the levee. Erosion is located on the bank toe, below the existing rip rap. There were no signs of repair on site, nor has the site been reported to be repaired by the district. Images taken from last year indicate that existing rip rap at the bank toe has sloughed exposing the underlaying soils. Weakening of the toe could lead to future bank instability. 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO. 09/29/2009: No major change observed since last visit; sloughing of the rip rap above toe; erosion begins immediately downstream of existing rip rap revetment; roughly 15-foot berm remains; however, it will continue to erode and eventually intrude into the levee profile if left untreated. 10/20/2006: Just upstream of where berm starts to widen. [2012 Site ID:RD2095U02RM60.69]	37.738880 ° -121.298260 °	37.738880 ° -121.298260 °	2 Y
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DWR ID: DWR\_RD2095\_02\_s\_2013\_2

16	2.10	2.10	Encroachments	WSA/W En	PI : Pipe			37.735483 ° -121.297912 °	37.735483 ° -121.297912 °	19 Y
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DWR ID: DWR\_RD2095\_02\_s\_2012\_19

17	2.14	2.14	Vegetation	WS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.		37.734858 ° -121.297758 °	37.734858 ° -121.297758 °	20 Y
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DWR ID: DWR\_RD2095\_02\_s\_2012\_20

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River				Left	3.38	04/09/2013 04/09/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
18	2.39	2.39	Encroachments	CR A/W	PI : Pipe	En		37.731555 ° -121.298283 °	37.731555 ° -121.298283 °	23
								DWR ID: DWR_RD2095_02_s_2012_23		
19	2.70	2.70	Encroachments	CR A/W	PI : Pipe	En	Inspector Comments: Pipe connections have been made. Permit application needed for this emergency repair.	37.727233 ° -121.299732 °	37.727233 ° -121.299732 °	26
								DWR ID: DWR_RD2095_02_s_2012_26		
20	2.73	2.73	Encroachments	CR A/W	PI : Pipe	En	Inspector Comments: Discharge pipe with closure structure on waterside hinge point.	37.726733 ° -121.299367 °	37.726733 ° -121.299367 °	25
								DWR ID: DWR_RD2095_02_s_2012_25		

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
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N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	04/09/2013 04/09/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Water Side
Category	
Item	Slope Stability

View of the vehicle tire ruts on waterside levee slope.

mkhashch\_s\_20130410\_726.JPG



Levee Mile Report Line	2
Start Levee Mile	0.18
End Levee Mile	0.18
Location	Water Side
Category	
Item	Slope Stability

View of the vehicle tire ruts on waterside levee slope.

mkhashch\_s\_20130410\_727.JPG



Levee Mile Report Line	3
Start Levee Mile	0.36
End Levee Mile	0.85
Location	Land Side
Category	
Item	Encroachments

View of ditch along landside toe.

mkhashch\_s\_20130225\_585.JPG



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

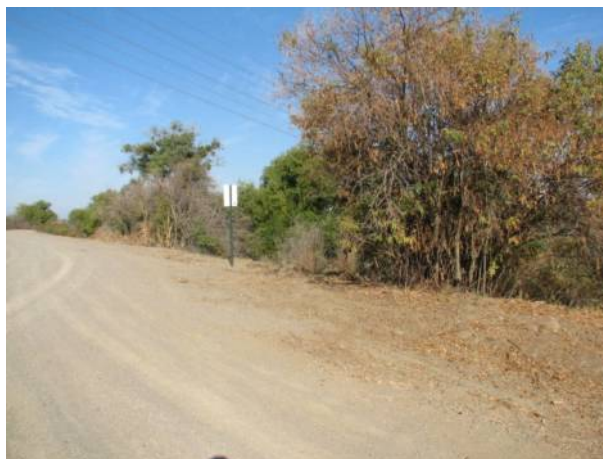
**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	04/09/2013 04/09/2013	Maksim Khashchuk

Levee Mile Report Line	5
Start Levee Mile	0.62
End Levee Mile	0.62
Location	Land Side
Category	
Item	Vegetation
11/01/2011 Elderberry bush at landside toe.	
mkhashch_s_20130225_586.jpg	



Levee Mile Report Line	9
Start Levee Mile	1.01
End Levee Mile	1.01
Location	Water Side
Category	
Item	Vegetation
Elderberry blocks visibility of levee slope.	
mkhashch_s_20130225_589.jpg	



Levee Mile Report Line	13
Start Levee Mile	1.67
End Levee Mile	1.67
Location	Crown
Category	
Item	Encroachments
View of corrected slope erosion. Siphon breaker valve is covered by bucket with drain pipe diverting water away from slope.	
mkhashch_s_20130225_587.JPG	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	04/09/2013 04/09/2013	Maksim Khashchuk

Levee Mile Report Line	14
Start Levee Mile	1.77
End Levee Mile	1.80
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking upstream of the site. Note dense vegetation on the berm.

mkhashch\_s\_20130225\_580.jpg



Levee Mile Report Line	14
Start Levee Mile	1.77
End Levee Mile	1.80
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking downstream of the site.

mkhashch\_s\_20130225\_581.jpg



Levee Mile Report Line	14
Start Levee Mile	1.77
End Levee Mile	1.80
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Close view of the site.

mkhashch\_s\_20130225\_582.jpg



**\* Location**

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WS : Water Side  
CR : Crown

**\*\* Rating**

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U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	04/09/2013 04/09/2013	Maksim Khashchuk

Levee Mile Report Line	15
Start Levee Mile	1.85
End Levee Mile	1.89
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

View from levee slope. The dense vegetation on the site block the view of the erosion

mkhashch\_s\_20130225\_583.jpg



Levee Mile Report Line	15
Start Levee Mile	1.85
End Levee Mile	1.89
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the erosion.

mkhashch\_s\_20130225\_584.jpg



Levee Mile Report Line	17
Start Levee Mile	2.14
End Levee Mile	2.14
Location	Water Side
Category	
Item	Vegetation

Vegetation on waterside slope obstructs access and visibility.

mkhashch\_s\_20130225\_588.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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